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Ernest C. Chen I hereby certify that this correspondence is In re Application of:

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Serial No.: mail in an envelope addressed to: 10/693,135

October 24, 2003 Mail Stop Amendment, Commissioner for

LAYERED MODULATION FOR Patents, P.O. Box 1450, Alexandria, VA

22313-1450, on the date below: TERRESTRIAL ATSC

Geørgann S. Grunebach

Typed or printed name of person signing certificate

Group Art Unit: 2631

APPLICATIONS

Examiner: Mohammed H. Ghayour : Date: March 13, 2006

INFORMATION DISCLOSURE STATEMENT **UNDER 37 C.F.R. § 1.97 (b)**

Mail Stop Amendment Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

The references cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 C.F.R. §1.56.

This statement should be considered because it is submitted before the mailing of a first Office action on the merits under 37 C.F.R. § 1.97 (b) and therefore it is believed that no fee is due with this submission. If a fee is due, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California.

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

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Respectfully submitted,

Bv:

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Substitute for format TO/SB/08A	Complete if Known		
INFORMATION DISCLOSURE	Application Number	10/693,135	
STATEMENT BY APPLICANT	371(c) Filing Date	October 24, 2003	
	First Named Inventor	Ernest C. Chen	
	Art Unit	2631	
	Examiner Name	GHAYOUR, Mohammad H.	
Date: March 13 2006			
Sheet 1 of 1	Attorney Docket Number	PD-201062	

	•		U.S. PATENT DO	CUMENTS	
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,731,700	05-2004	Yakhnich et al.	
		US-6,411,797	06-2002	Estinto, Eugene	
		US-2002/0071506	06-2002	Lindquist et al.	
		US-5,603,084	02-1997	Henry et al.	
		US-6,389,002	05-2002	Schilling, Donald L.	
		US-6,178,158	01-2001	Suzuki et al.	
		US-2005/008100	01-2005	Chen, Ernest C.	
		US-2002/176516	11-2002	Jeske et al.	
		US-6,304,594	10-2001	Salinger, Sheldon N.	
		US-5,493,307	02-1996	Tsujimoto, Ichiro	
		US-5,956,373	09-1999	Goldston et al.	
		US-6,535,497	03-2003	Raith, Alex Krister	
		US-6,515,713	02-2003	Nam, Ho Jun	
		US-6,320,919	11-2001	Khyrallah et al.	
		US-3,974,449	08-1976	Falconer, David Duncan	
		US-3,879,664	04-1975	Monsen, Peter	
		US-4,253,184	02-1981	Gitlin et al.	
		US-5,233,632	08-1993	Baum et al.	
		US-6,775,521	08-2004	Chen, Yue	
		US-3,878,468	04-1975	Falconer et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
	200-00	WO 99/20001	04-1999	Silberger et al.		

Date	
Considered	

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Substitute for form PTO/SB/08B		nplete if Known
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OTATEMENT DI ALL LICANI	First Named Inventor	Ernest C. Chen
	Art Unit	2631
	Examiner Name	GHAYOUR, Mohammad H.
Date: March 13, 2006		
Sheet 1 of 1	Attorney Docket Number	PD-201062

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volumne-issue number(s), publisher, city and/or country where published.	Т	
		MEYR, HEINRICH et al.; "Digital Communication Receivers: Synchronization, Channel Estimation, and Signal Processing"; 1998, John Wiley & Sons, Inc.; pages 212-213 and 217-218; XP002364874		
		MEYR, HEINRICH et al.; "Digital Communication Receivers: Synchronization, Channel Estimation, and Signal Processing"; 1998, John Wiley & Sons, Inc.; pages 610-612; XP002364876		
		FANT, T. et al.; "Fourth-Power Law Clock Recovery with Prefiltering"; Proceedings of the International Conference on Communications (ICC); Geneva; May 23-26, 1993; New York; IEEE; US; Vol. 3; 23 May 1993; pages 811-815 XP010137089, ISBN: 0-7803-0950-2; Section I, Introduction		

Examiner	Date
Signature	Considered

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